	No.1905B	<b>DS441</b>
		Silicon Planar Type Low Leak Switching Diode

### Features

- Glass sleeve structure : DHD type
- Low leak current :  $I_R = -10\text{nA}$  max.
- Power dissipation :  $P = 300\text{mW}$  max.
- Interterminal capacitance :  $C = 6.0\text{pF}$  max.

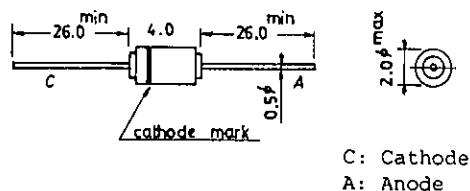
### Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

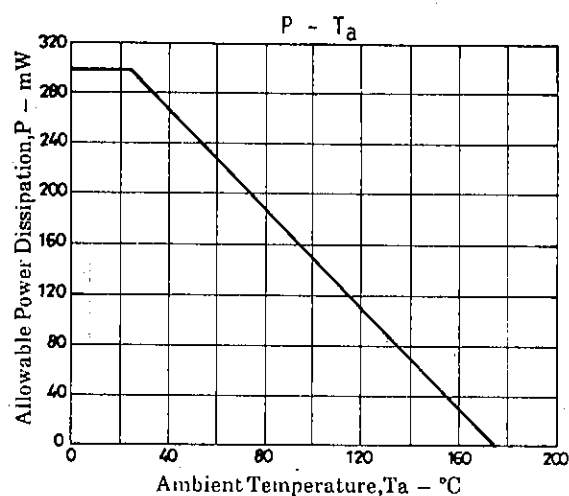
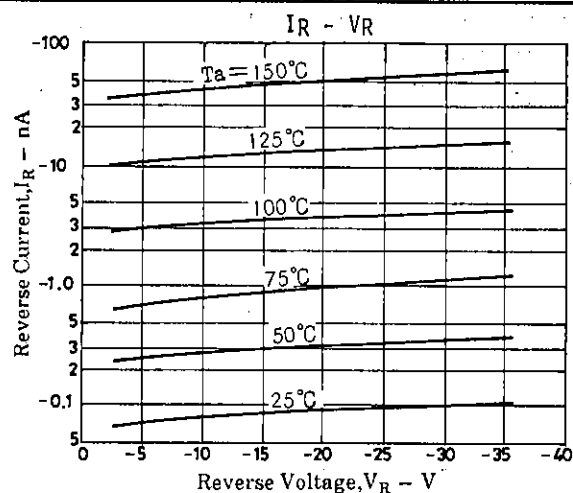
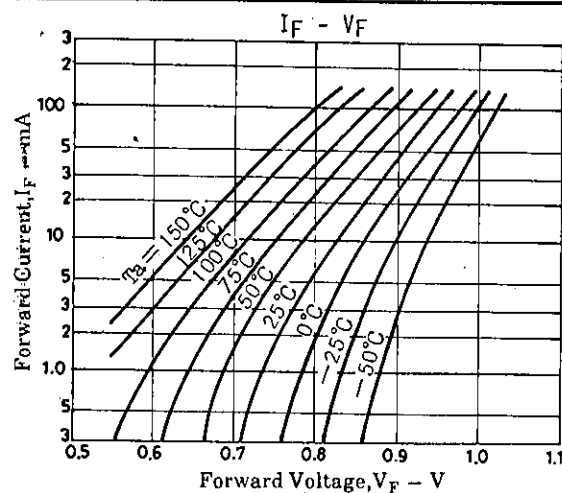
			unit
Peak Reverse Voltage	$V_{RM}$	-35	V
Reverse Voltage	$V_R$	-30	V
Peak Forward Current	$I_{FM}$	300	mA
Average Rectified Current	$I_O$	100	mA
Surge Forward Current	$I_{FSM}$	1000	mA
Power Dissipation	$P$	300	mW
Junction Temperature	$T_j$	175	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-65 to +175	$^\circ\text{C}$

### Electrical Characteristics at $T_a = 25^\circ\text{C}$

			min	typ	max	unit
Forward Voltage	$V_F$	$I_F = 100\text{mA}$		1.0	1.3	V
Reverse Current	$I_R$	$V_R = -30\text{V}$	-0.1	-10		nA
Interterminal Capacitance	$C$	$V_R = 0\text{V}, f = 1\text{MHz}$	3.0	6.0		pF

### Package Dimensions 1080 (unit: mm)





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